

## Controlled and Emergency Dehydration Shutdown

### Potential Hazards:

Hot Product in the system

### Precautions to take:

Proper PPE, Safety Glasses and gloves

Aware of the location of the eyewash station and shower

Use caution when opening drains or sample ports

### Safety systems in place:

Pressure Relief valves in place

Alarms in place for high and low pressures and temperatures

1. Shut Down Distillation Per Distillation SOP
2. Extreme care must be taken to prevent wet vapor from entering the Mole Sieve Beds during Distillation Shutdown
3. When Rectifier Column Overhead proof is less than 188 Change PIC-43102 Mole Sieve Bed pressure controller set to 5 psia greater than the current set point.
4. When PIC-43102 is 0% for more than 5 seconds close TV-43106 Superheater steam inlet control valve.
5. After two complete Mole Sieve Bed cycles, STOP the Mole Sieve Bed Sequence which closes the Mole Sieve Bed Valves
6. Stop PC-4401 Product Pump, when LIC-44110 Acid Reduction column level indicator is at set point
7. Stop PC-4303 Regen Pump